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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/954,571**

DATE: 05/05/2003
TIME: 09:39:04

Input Set : **A:\6627-PA0123 Chien.txt**
Output Set: **N:\CRF4\05052003\I954571.raw**

```
 3 <110> APPLICANT: Chien, Kenneth R
 4         Hoshijima, Masahiko
 5         Ross, John
 6         Ikeda, Yasuhiro
 8 <120> TITLE OF INVENTION: HIGH EFFICIENCY CARDIAC GENE TRANSFER
10 <130> FILE REFERENCE: 6627-PA0123
12 <140> CURRENT APPLICATION NUMBER: 09/954,571
13 <141> CURRENT FILING DATE: 2001-09-11
15 <150> PRIOR APPLICATION NUMBER: 60/231,821
16 <151> PRIOR FILING DATE: 2000-11-09
18 <160> NUMBER OF SEQ ID NOS: 5
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 52
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Mutant form of humam protein sequence
30 <400> SEQUENCE: 1
32 Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Glu
33 1               5                   10                  15
36 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
37             20                  25                  30
40 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
41          35                  40                  45
44 Val Met Leu Leu
45       50
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 52
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 2
55 Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser
56 1               5                   10                  15
59 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
60             20                  25                  30
63 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
64          35                  40                  45
67 Val Met Leu Leu
68       50
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 52
73 <212> TYPE: PRT
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74  <213> ORGANISM: Canis familiaris
76  <400> SEQUENCE: 3
78  Met Asp Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser
79  1               5                   10                  15
82  Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe
83              20                  25                  30
86  Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
87          35                  40                  45
90  Val Met Leu Leu
91      50
94  <210> SEQ ID NO: 4
95  <211> LENGTH: 52
96  <212> TYPE: PRT
97  <213> ORGANISM: Mus musculus
99  <400> SEQUENCE: 4
101 Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser
102 1               5                   10                  15
105 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe
106             20                  25                  30
109 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
110         35                  40                  45
113 Val Met Leu Leu
114     50
117 <210> SEQ ID NO: 5
118 <211> LENGTH: 52
119 <212> TYPE: PRT
120 <213> ORGANISM: Oryctolagus cuniculus
122 <400> SEQUENCE: 5
124 Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser
125 1               5                   10                  15
128 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe
129             20                  25                  30
132 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
133         35                  40                  45
136 Val Met Leu Leu
137     50
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Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/954,571**

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